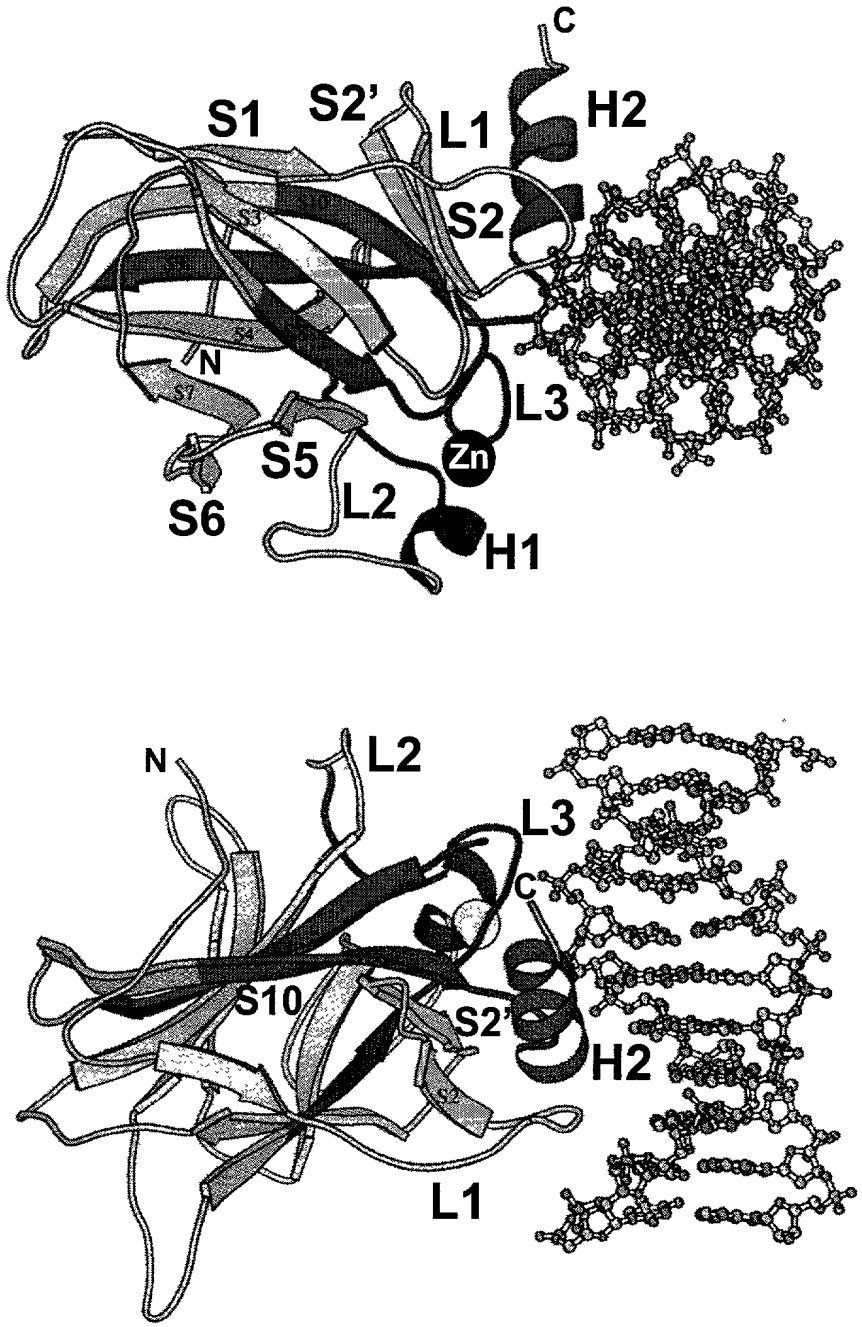
FIGURE 1A


C
S1
S2'
L1
H2
S2
S3
S10
S4
S3
N
S1
L3
Zn
S5
L2
S6
H1
N
L2
L3
C
S10
S2'
H2
L1

3DE090 "9ZTZZ00T

FIGURE 1B

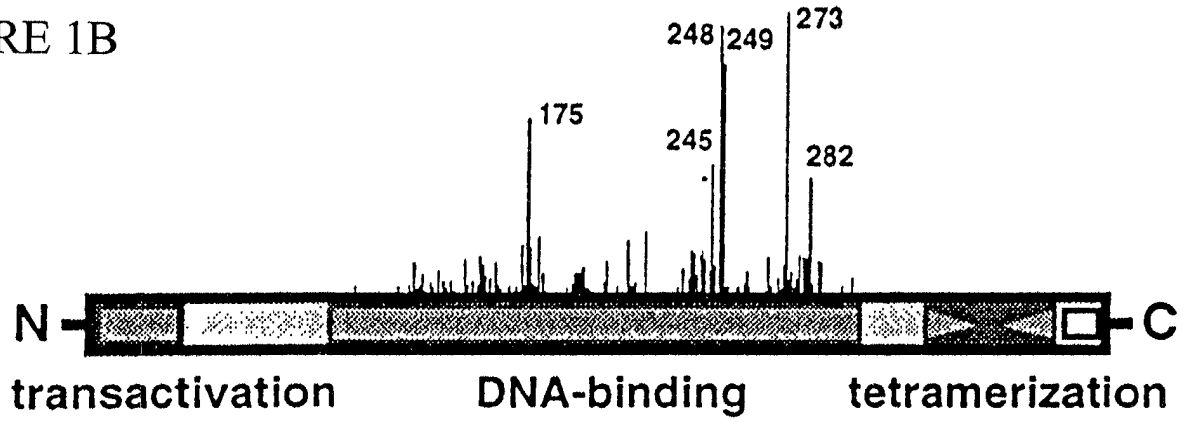
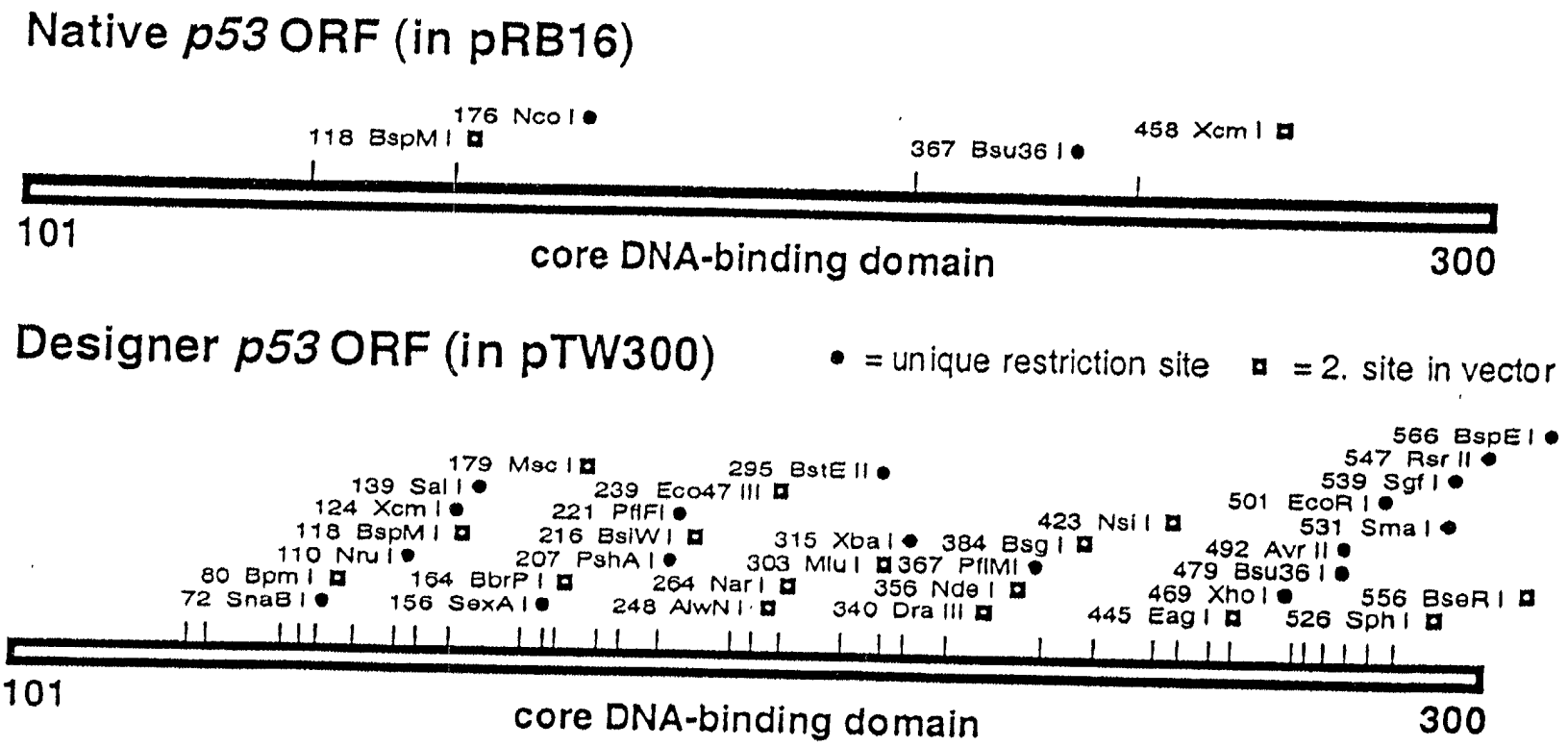
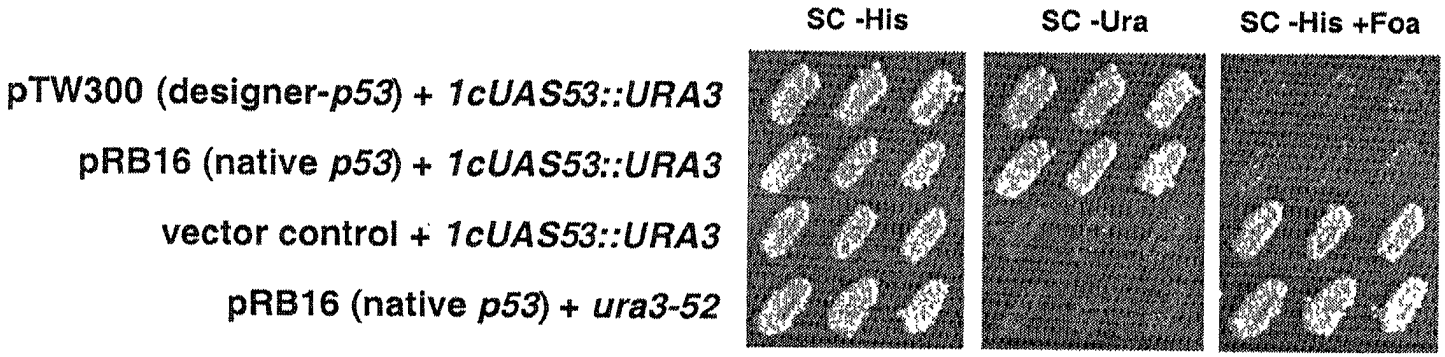


FIGURE 2A


Native p53 ORF (in pRB16)
176 Nco I
118 BspM I
367 Bsu36 I
458 Xcm I
101
core DNA-binding domain
300
Designer p53 ORF (in pTW300)
• = unique restriction site
= 2. site in vector
566 BspE I
547 Rsr II
539 Sgf I
501 EcoR I
531 Sma I
492 Avr II
479 Bsu36 I
469 Xho I
556 BseR I
526 Sph I
445 Eag I
423 Nsi I
384 Bsg I
367 Pfl MI
356 Nde I
340 Dra III
315 Xba I
303 Mlu I
295 BstE II
264 Nar I
248 AlwN I
239 Eco47 III
221 Pfl FI
216 BsiW I
207 PshA I
179 Msc I
164 BbrP I
156 SexA I
139 Sal I
124 Xcm I
118 BspM I
110 Nru I
80 Bpm I
72 SnaB I
101
core DNA-binding domain
300

20E090 "9ZT2Z00T

FIGURE 2B



20090"9747007F

FIGURE 2C

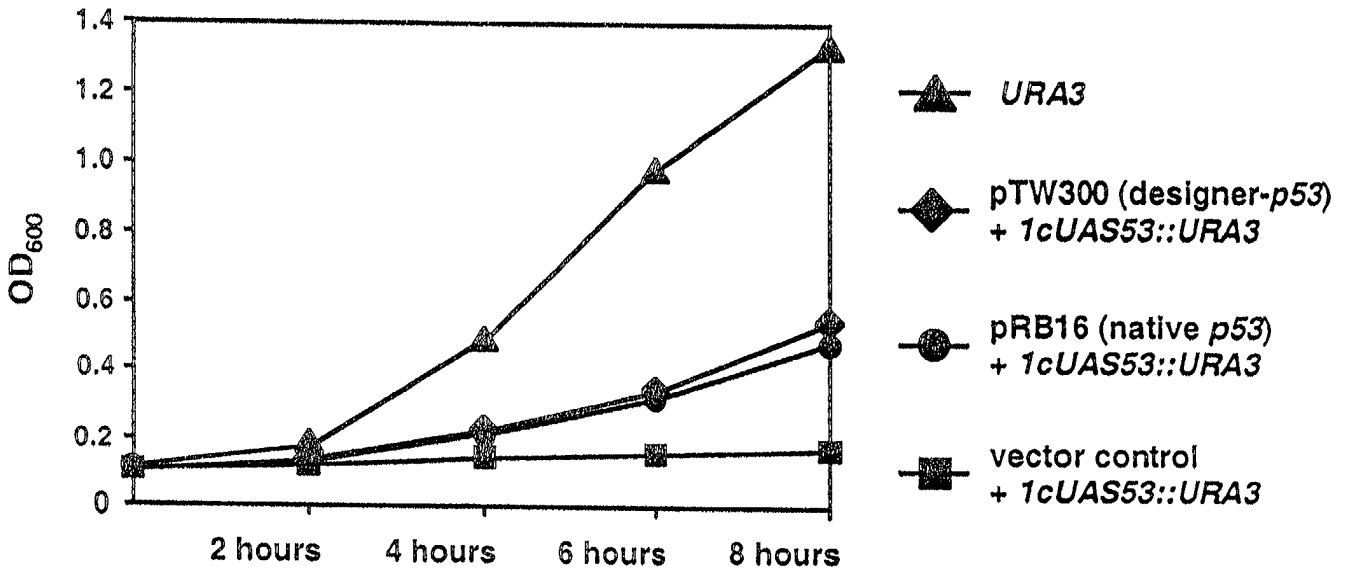
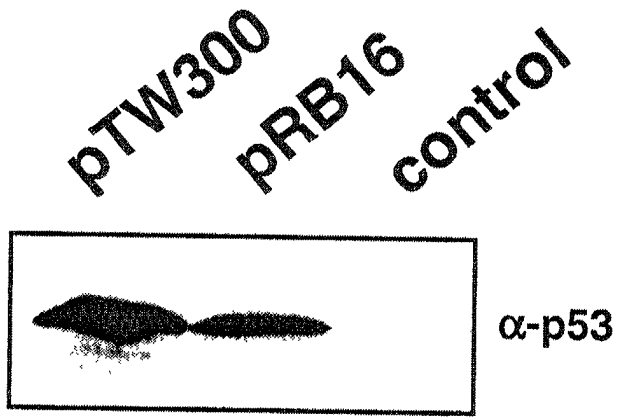
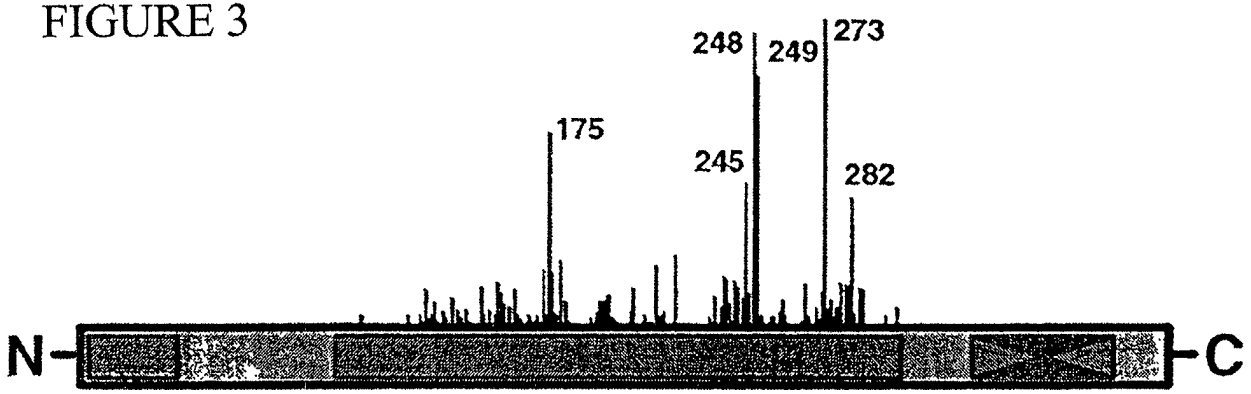


FIGURE 2D



20E090 9/T/200T

FIGURE 3



Primary Analysis for Suppressor Mutations	
Arg175His Gly245Ser Arg248Gln Arg248Trp Arg249Ser Arg273Cys Arg273His Arg282Trp	8 p53 mutants 1492/6645 22%

Subcloning Analysis			
Cys135Tyr Cys141Tyr Pro151Ser Val157Phe Arg158Leu Tyr163Cys Val173Leu Val173Met Cys176Phe	His179Arg His179Tyr Tyr205Cys Tyr220Cys Tyr234Cys Met237Ile Cys238Tyr Ser241Phe Gly245Asp	Gly245Cys Arg248Leu Arg249Met Val272Met Arg273Leu Pro278Leu Arg280Thr Glu285Lys Glu286Lys	27 p53 mutants 961/6645 15%